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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,136	07/31/2003	Akira Asai	CANO:080	1820
75	90 10/13/2006		EXAM	INER
ROSSI & ASSOCIATES			MAI, TAN V	
P.O. Box 826				
Ashburn, VA 20146-0826			ART UNIT	PAPER NUMBER
			2193	
		DATE MAILED: 10/13/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/632,136	ASAI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tan V. Mai	2193				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D. Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (D) (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 11/5	& 12/24/05 and 7/14/04					
	action is non-final.	•				
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closed in accordance with the practice under E						
Disposition of Claims						
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application						
4a) Of the above claim(s) is/are withdraw						
5)⊠ Claim(s) <u>6-8</u> is/are allowed.						
6)⊠ Claim(s) <u>1-5 and 9-11</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers		·				
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acc	•	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a	)-(d) or (f).				
· · · · · · · · · · · · · · · · · · ·	1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority document	• • • • • • • • • • • • • • • • • • • •					
3. Copies of the certified copies of the prio	•	ed in this National Stage				
application from the International Burea	, , , ,					
* See the attached detailed Office action for a list	or the certified copies not receive	<b>3</b> 0.				
Attachment(s)						
1) X Notice of References Cited (PTO-892)	4) Interview Summary	/ (PTO-413)				
2) DNotice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate				
<ol> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date</li> </ol>	5) Notice of Informal F	Patent Application (PTO-152)				
	٠, ٢, ٥, ٥, ١, ١, ١, ١, ١, ١, ١, ١, ١, ١, ١, ١, ١,					

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1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-5 and 9-11 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims recite a method / program for performing a mathematical function.

"[t]o satisfy section 101 requirements, the claim must be for a practical application of the Sec. 101 judicial exception, which can be identified in various ways:

- . The claimed invention "transforms" an article or physical object to a different state or thing.
- . The claimed invention otherwise produces a useful, concrete and tangible result,...".

See "Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility" OG Date: 22 November 2005.

Since there is no physical transform to establish a practical application, a useful, concrete and tangible result <u>appears</u> to be lacking. Therefore, claims 1-5 and 9-11 are directed to a non-statutory process.

- 2. Claims 1-5 and 9-11 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 101 set forth in this Office action.
- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Cited references are art of interest.
- 4. The following is an examiner's statement of reasons for allowance: the recorded references do NOT teach or suggest the interpolating method of defining a function F on

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one-dimensional structure grid having a detail setting and defining steps as recited in independent claim 1. Similar language is used in other independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (571) 272-3726. The examiner can normally be reached on Mon-Wed and Fri. from 9:30am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is:

Official

(571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Tan V. Mai Primary Examiner